

REMARKS

I. Status

Claims 2-5 and 7-17 are pending in this Application, of which claims 2-5 and 7-16 have been withdrawn from consideration.

Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nishida (U.S. Patent Application Publication No. 2004/0090209) in view of Trembley (U.S. Patent Application Publication No. 2004/0036445).

Claim 17 is independent.

With this response, claim 17 is amended. No new matter has been added.

II. Rejection of Independent Claim 17 Under 35 U.S.C. 103

The Office Action rejects independent claim 17 under 35 U.S.C. 103(a) as being unpatentable over Nishida in view of Trembley.

However, the Applicant respectfully submits that Nishida and Trembley, taken individually or in combination, fail, for example, to disclose, teach, or suggest:

“... a voltage detecting device which detects a voltage drop of the DC output which is caused by a rush current; [and]

... a switching device which switches a constant-current control operation from the first constant-current control operation to the second constant-current control operation when said voltage detecting device detects a voltage drop of the DC output while said constant-current control device performs the first constant-current control operation, and switches a constant-current control operation from the second constant-current control operation to the first constant-current control operation when said temperature detecting device detects that a temperature of the power supply device exceeds a predetermined temperature while

said constant-current control device performs the second constant-current control operation”

as set forth in claim 17 as amended herewith (emphasis added).

The Applicant respectfully observes that Nishida merely discusses a voltage value of the constant voltage control being changed on the basis of a voltage value of the battery which is charged, with Nishida merely discussing that the constant-voltage circuit 4 generates and outputs the constant-voltages E1-E3 each of which has a different voltage value, that the voltage switch circuit 22 selects one of the constant-voltages E1-E3, and that the charge control circuit 6 outputs the voltage switch signal Ss and switches the constant-voltages E1-E3 on the basis of the battery voltage Vb of the lithium ion battery 11 which is detected by the battery voltage detection circuit 3.

The Applicant respectfully observes, for instance, that in claim 17 both of subject to be changed and condition in which the operation is changed differ from Nishida.

Turning to Trembley, the Applicant respectfully observes that Trembley merely discusses that the battery charger 404 has a microcontroller 406, that the microcontroller 406 can obtain a temperature of the battery 402a by the temperature sensing line 414b, and that the microcontroller 406 performs the charge control on the basis of the temperature and the voltage value of the battery 402a.

The Applicant respectfully observes, for instance, that in claim 17 both of subject to be changed and condition in which the operation is changed differ from Trembley.

In view of at least the foregoing, the Applicant respectfully submits that claim 17 is in condition for allowance.

III. Additional Matters

The Applicant respectfully reminds the Examiner to provide explicit indication that the Information Disclosure Statement submitted November 3, 2004 and the Information Disclosure Statement submitted November 17, 2005 have been considered.

Further, the Applicant respectfully reminds the Examiner to provide full indication of acknowledgement of the certified copy of the priority document.

(Continued on next page)

IV. Conclusion

The Applicant respectfully submits that this Application is in condition for allowance for which action is earnestly solicited.

If a telephone conference would facilitate prosecution of this Application in any way, the Examiner is invited to contact the undersigned at the number provided.

V. Authorization

The Commissioner is hereby authorized to charge any fees which may be required for this response, or credit any overpayment to Deposit Account No. 13-4500, Order No. 1232-5307.

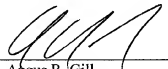
Furthermore, in the event that an extension of time is required, the Commissioner is requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to the above-noted Deposit Account and Order No.

Respectfully submitted,

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By:


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